

HILLIARD ARCHITECTS INC. COPYRIGHT 2008

P-502	PLUMBING DETAILS	NONE
P-601	PLUMBING DIAGRAMS	NONE

 Department of
Veterans Affairs



BACKFLOW PREVENTOR SCHEDULE			
MARK	DESCRIPTION	PIPE SIZE (INCHES)	REMARKS
		CW	
BFP-1	REDUCE PRESSURE BACKFLOW PREVENTOR	3/4	-
BFP-2	REDUCE PRESSURE BACKFLOW PREVENTOR	1	-
BFP-3	REDUCE PRESSURE BACKFLOW PREVENTOR	1-1/2	-


NOTES:

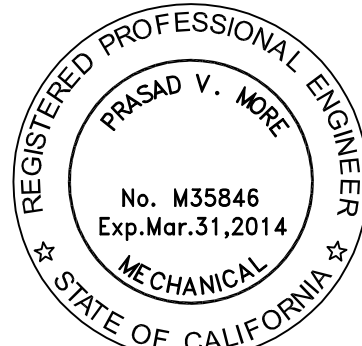
1. ALL FAUCETS FOR SINKS AND LAVATORIES SHALL BE PROVIDED WITH LAMINAR FLOW STREAM SPOUTS (NON-AERATING TYPE).
2. ALL LAVATORY AND SINK FAUCETS SHALL BE IN COMPLIANCE WITH THE AB-1953 LEAD-FREE REQUIREMENTS.

PLUMBING FIXTURE COUNT													
	LV	LG	CYLINDER GAS INERT		WC C/W/D	LAVS H/C/W/D	SINKS H/C/W/D	LAB SINK H/C/W/D	MOP SINKS H/C/W/D	DI	EW	FD	FS
			N2	CO2									
EXISTING FIXTURES	0	0	0	0	10	10	9	0	0	0	0	3	1
FIXTURES REMOVED	0	0	0	0	10	10	9	1	0	0	0	3	1
FIXTURES RELOCATED	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW FIXTURES	123	110	2	8	-10	-10	-8	18	0	22	10	0	7
PLUS/MINUS	123	110	2	8	-10	-10	-8	18	-1	22	10	-3	6
TOTALS	123	110	2	8	-10	-10	-8	18	-1	22	10	-3	7

BACKFLOW PREVENTOR SCHEDULE			
MARK	DESCRIPTION	PIPE SIZE (INCHES)	REMARKS
		CW	
BFP-1	REDUCE PRESSURE BACKFLOW PREVENTOR	3/4	-
BFP-2	REDUCE PRESSURE BACKFLOW PREVENTOR	1	-
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PLUMBING FIXTURE COUNT													
	LV	LG	CYLINDER GAS INERT		WC C/W/D	LAVS H/C/W/D	SINKS H/C/W/D	LAB SINK H/C/W/D	MOP SINKS H/C/W/D	DI	EW	FD	FS
			N2	CO2									
EXISTING FIXTURES	0	0	0	0	10	10	9	0	0	0	0	3	1
FIXTURES REMOVED	0	0	0	0	10	10	9	1	0	0	0	3	1
FIXTURES RELOCATED	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW FIXTURES	123	110	2	8	-10	-10	-8	18	0	22	10	0	7
PLUS/MINUS	123	110	2	8	-10	-10	-8	18	-1	22	10	-3	6
TOTALS	123	110	2	8	-10	-10	-8	18	-1	22	10	-3	7

CONSULTANTS:	
 SYSKA HENNESSY group <small>A member company of SHI Group, Inc.</small>	Syska Hennessy Group, Inc. 425 California Street Suite 700 San Francisco, CA 94104 Tel: 415.268.9060 Fax: 415.635.0385 www.syska.com



Drawing Title	PLUMBING SCHEDULES
Approved: Project Director	
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Project Title VA PA BLDG 6 LAB RENOVATION			Project Number 640-13-121P		
			Building Number 6		
Location VAPAHES - PALO ALTO CAMPUS 3801 MIRANDA AVE., PALO ALTO, CA 94304			Drawing Number P002		
Date 04.17.2014	Checked PM	Drawn BWA	Dwg. 1 of 6		

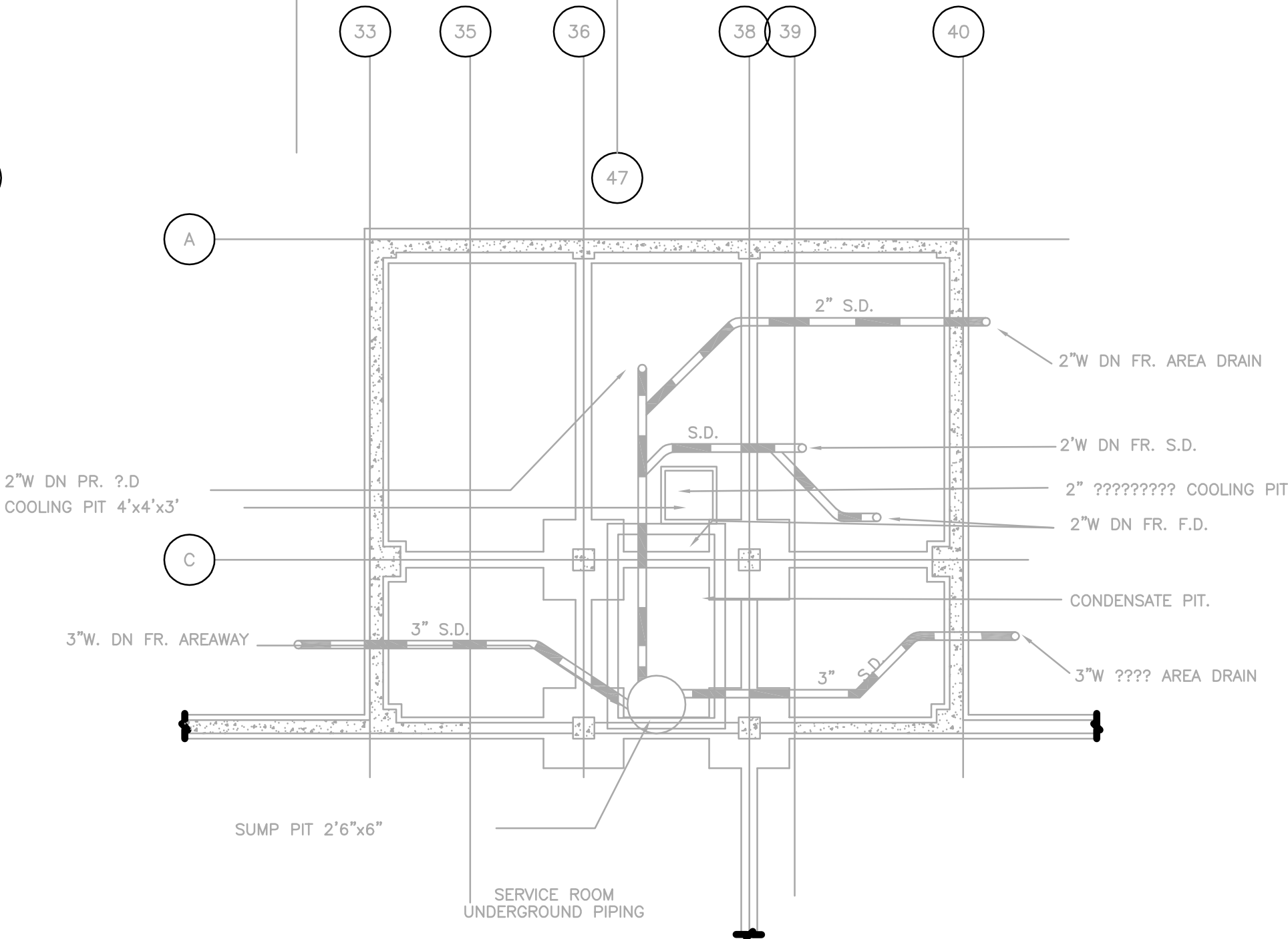
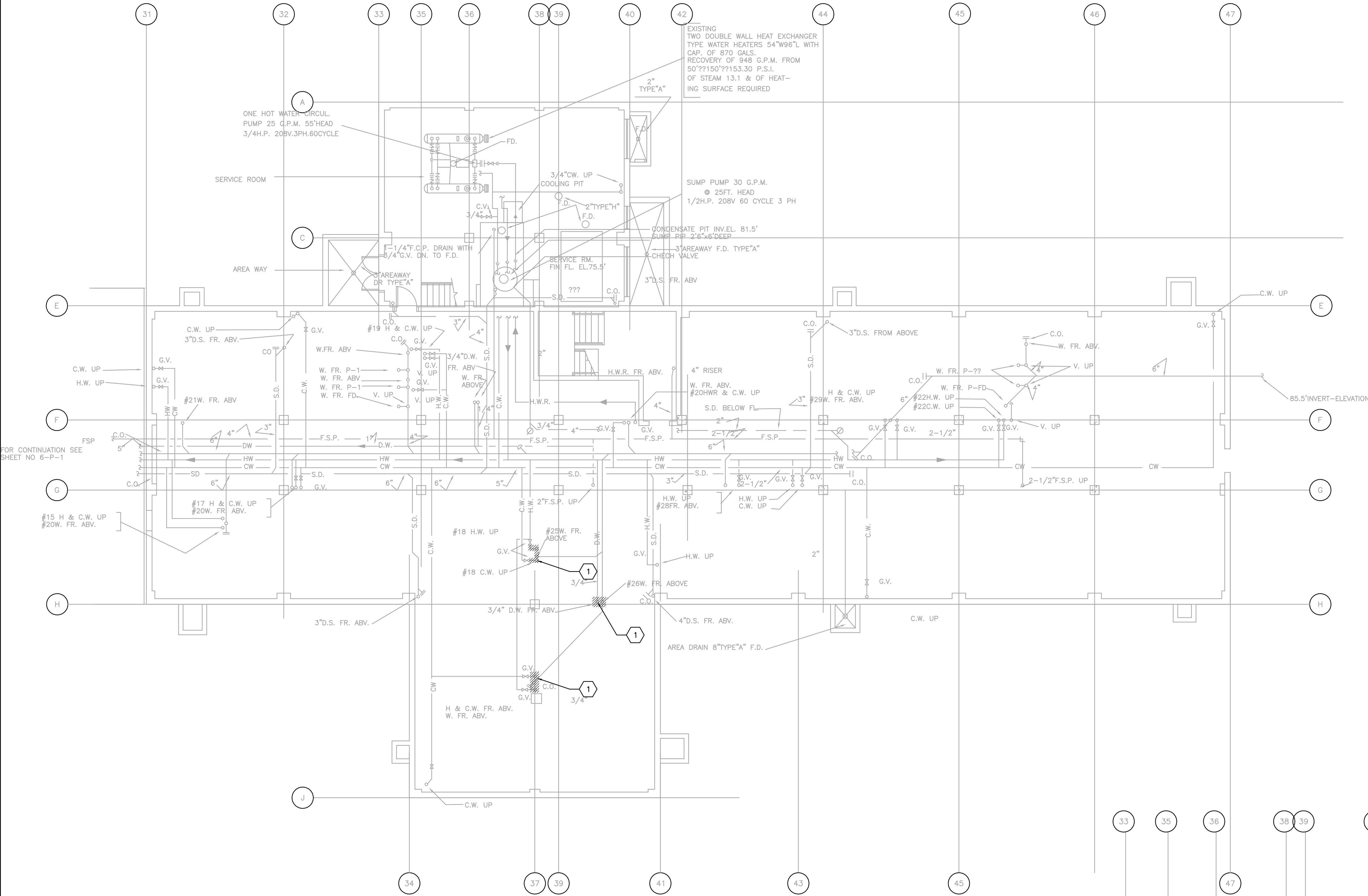
Office of
Construction
and Facilities
Management

 Department of
Veterans Affairs

FINAL BID DOCUMENTS

three eighths inch = one foot
one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three quarters inch = one foot
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one and one half inches = one foot
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ninety nine inches = one foot
one hundred inches = one foot

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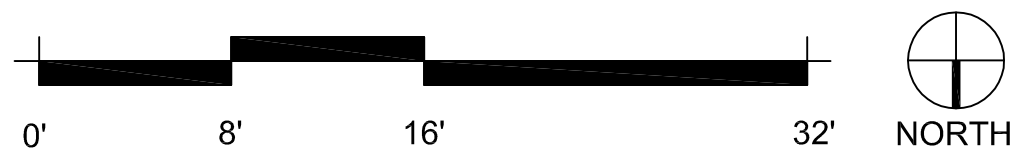


SHEET NOTES

1. FIELD VERIFY (E) CONDITIONS PRIOR TO COMMENCEMENT OF WORK. NOTIFY ENGINEER OF ANY DISCREPANCIES.
2. PLUMBING CONTRACTOR SHALL COORDINATE WITH VA PROJECT MANAGER/ BUILDING FACILITY ENGINEER TO GET NECESSARY PERMIT TO ISOLATE (E) PLUMBING SERVICES PRIOR TO COMMENCEMENT OF ANY PLUMBING DEMOLITION WORK INDICATED ON THIS DRAWING.
3. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL (E) BUILDING SERVICES, (E) BUILDING STRUCTURE & ARCHITECTURAL ELEMENTS ETC. DURING THE ENTIRE PERIOD OF PLUMBING DEMOLITION WORK.
4. LOCATIONS OF EXISTING PLUMBING FIXTURES, PIPING ETC. ARE APPROXIMATE AND ARE INDICATED FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE VERIFIED IN THE FIELD AND COORDINATED WITH OTHER NEW & EXISTING EQUIPMENT/SERVICES/EXISTING BUILDING STRUCTURE AND NEW WORK PLATFORM STEEL STRUCTURE.
5. CAP AND SEAL ANY PIPING DUE TO DEMOLITION WORK THAT WILL BE REMAINING AS IS.
6. CONTRACTOR SHALL FIELD VERIFY OPERATION AND FUNCTIONING OF ALL (E) VALVES AND DEVICES AND SHALL REPLACE ALL (E) FAULTY VALVES AND DEVICES WITH NEW WHICH WILL BE REUSED IN THE NEW PLUMBING SYSTEM.

KEY NOTES

1. DEMO (E) PIPE AS INDICATED AND CAP FOR RECONNECTION. (E) FLOOR PENETRATIONS TO BE FILLED IN.
- 2.



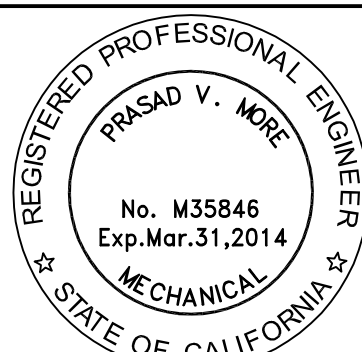
FINAL BID DOCUMENTS

ISSUED AS 60% PROGRESS SET	11.01.2013
Revisions:	Date

CONSULTANTS:



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ARCHITECT/ENGINEERS:



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Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

Drawing Title

**PLUMBING DEMOLITION PLAN
BASEMENT LEVEL**

Approved: Project Director
-

Project Title

**VA PA BLDG 6 LAB
RENOVATION**

Location: VAPAHCS - PALO ALTO CAMPUS
3801 MIRANDA AVE, PALO ALTO, CA 94304

Date: 04.17.2014

Checked: PM

Drawn: BWA

Project Number

640-13-121P

Building Number
6

Drawing Number

PD101

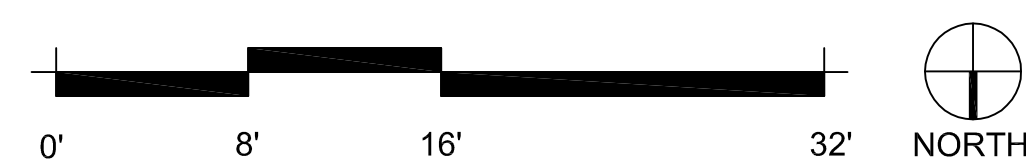
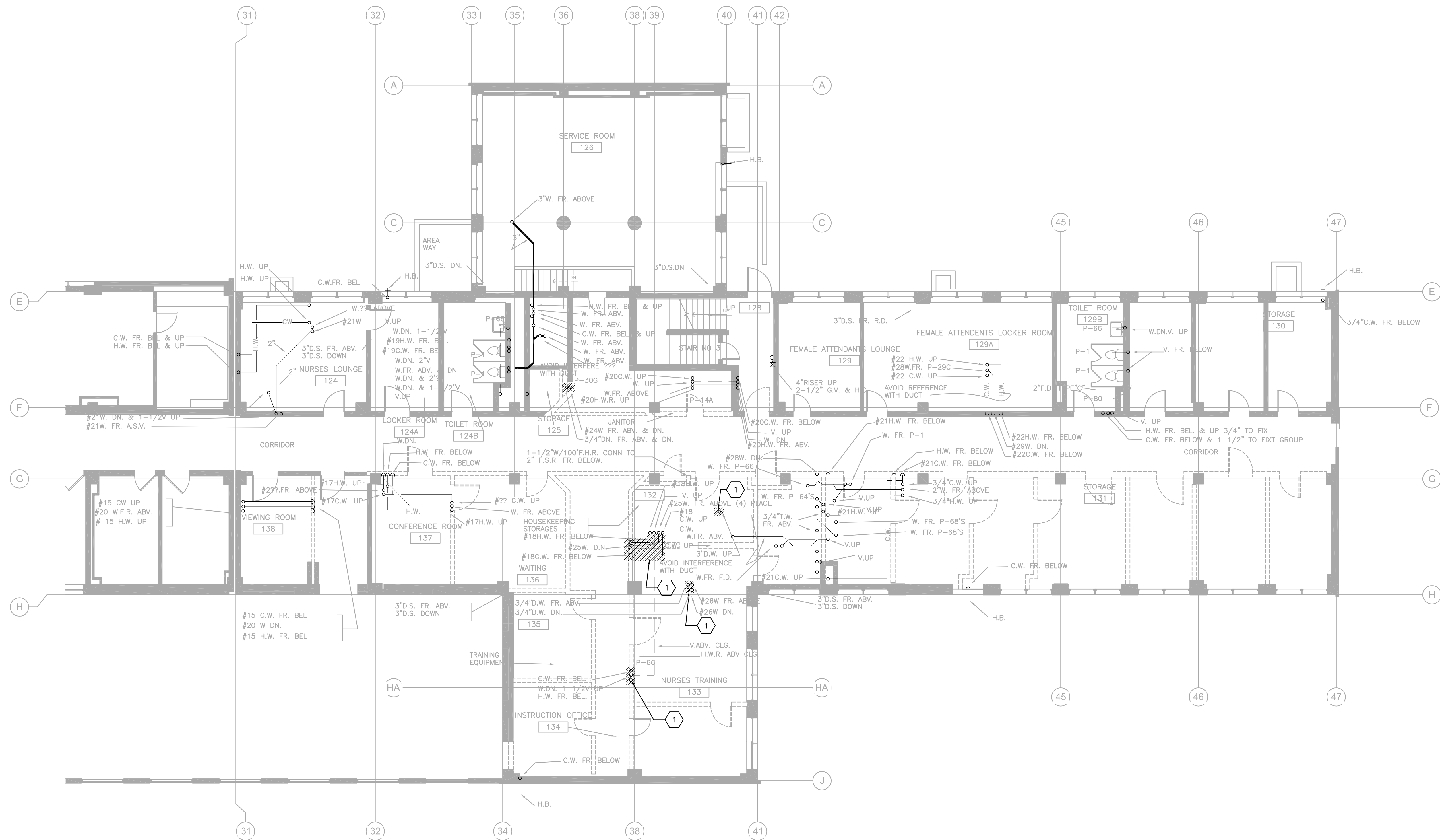
Dwg. 1 of 6

Office of
Construction
and Facilities
Management



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2. PLUMBING CONTRACTOR SHALL COORDINATE WITH VA PROJECT MANAGER/ BUILDING FACILITY ENGINEER TO GET NECESSARY PERMIT TO ISOLATE (E) PLUMBING SERVICES PRIOR TO COMMENCEMENT OF ANY PLUMBING DEMOLITION WORK INDICATED ON THIS DRAWING.
3. PLUMBING CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT ALL (E) BUILDING SERVICES, (E) BUILDING STRUCTURE & ARCHITECTURAL ELEMENTS ETC. DURING THE ENTIRE PERIOD OF PLUMBING DEMOLITION WORK.
4. LOCATIONS OF EXISTING PLUMBING FIXTURES, PIPING ETC. ARE APPROXIMATE AND ARE INDICATED FOR REFERENCE ONLY. EXACT LOCATIONS AND ELEVATIONS SHALL BE DETERMINED IN THE FIELD AND COORDINATED WITH OTHER NEW & EXISTING EQUIPMENT SERVICES EXISTIN BUILDING STRUCTURE AND NEW WORK PLATFORM STEEL STRUCTURE.
5. CAP AND SEAL ANY PIPING DUE TO DEMOLITION WORK THAT WILL BE REMAINING AS IS.
6. CONTRACTOR SHALL FIELD VERIFY OPERATION AND FUNCTIONING OF ALL (E) VALVES AND DEVICES AND SHALL REPORT ALL (E) FAULTY VALVES AND DEVICES WITH NEW WHICH WILL BE REUSED IN THE NEW PLUMBING SYSTEM.

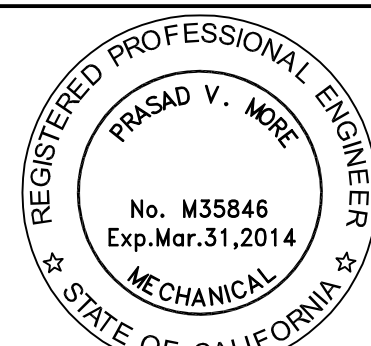
1. DEMO (E) PIPE AS INDICATED AND CAP FOR RECONNECTION ABOVE CEILING AND BELOW FLOOR. (E) FLOOR PENETRATIONS TO BE FILLED IN.



CONSULTANTS:



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Suite 700
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Fax: 415.835.0385
www.syska.com



ARCHITECT/ENGINEERS:



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www.HilliardArchitects.com

Drawing Title	PLUMBING DEMOLITION PLAN - FIRST FLOOR
---------------	---

Approved: Project Director

Project Title
**VA PA BLDG 6 LAB
RENOVATION**

Location	VAPAHCS - PALO ALTO CAMPUS 3801 MIRANDA AVE, PALO ALTO, CA 94304
----------	---

Date
04.17.2014

Checked	PM
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Drawn	
BWA	

Project Number

640-13-121P

6

Drawing Number

551

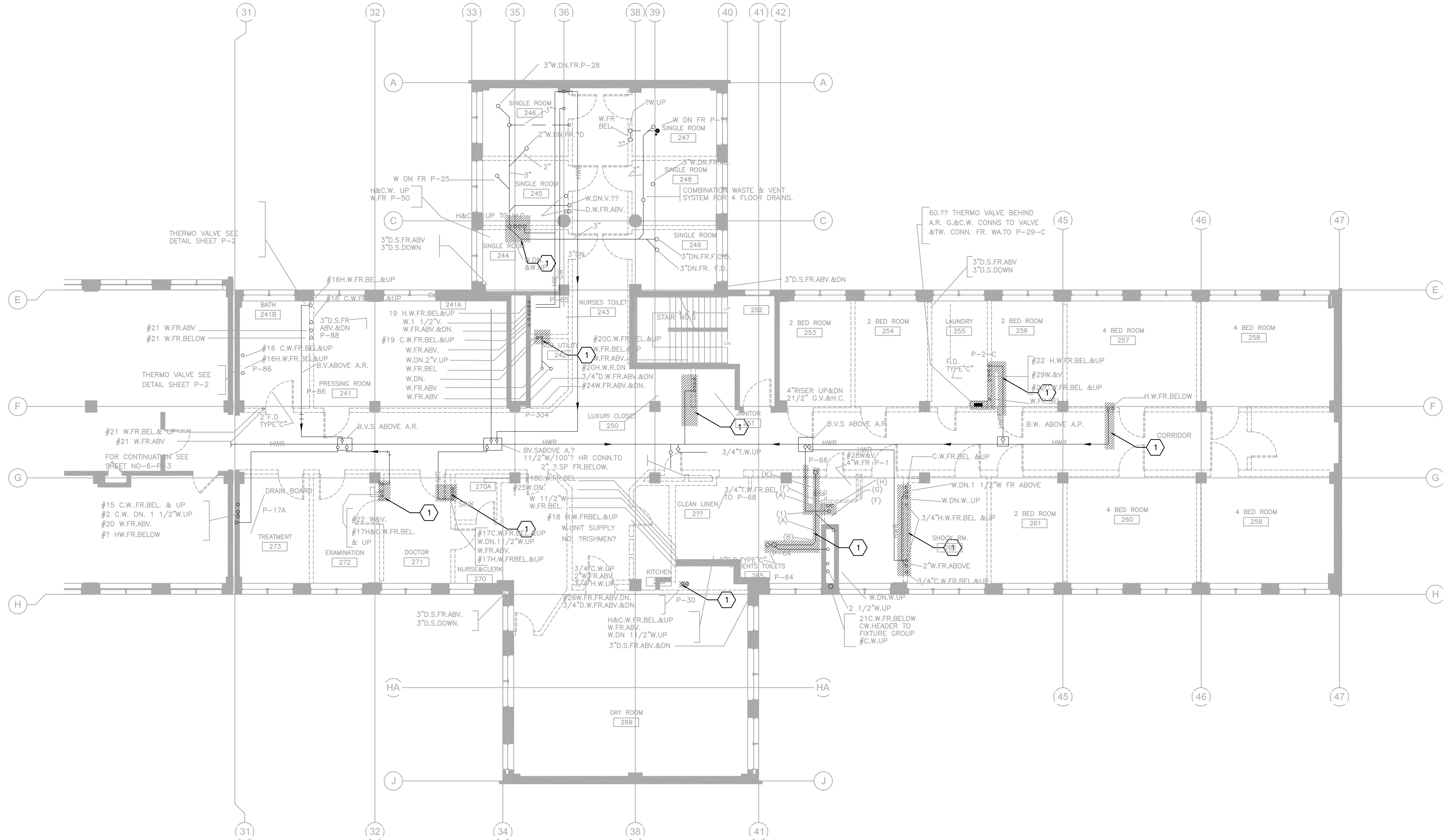
TABLE 1

Office of
Construction
and Facilities
Management



one eighth inch = one foot
one quarter inch = one foot
one half inch = one foot
three eighths inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
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SHEET NOTES

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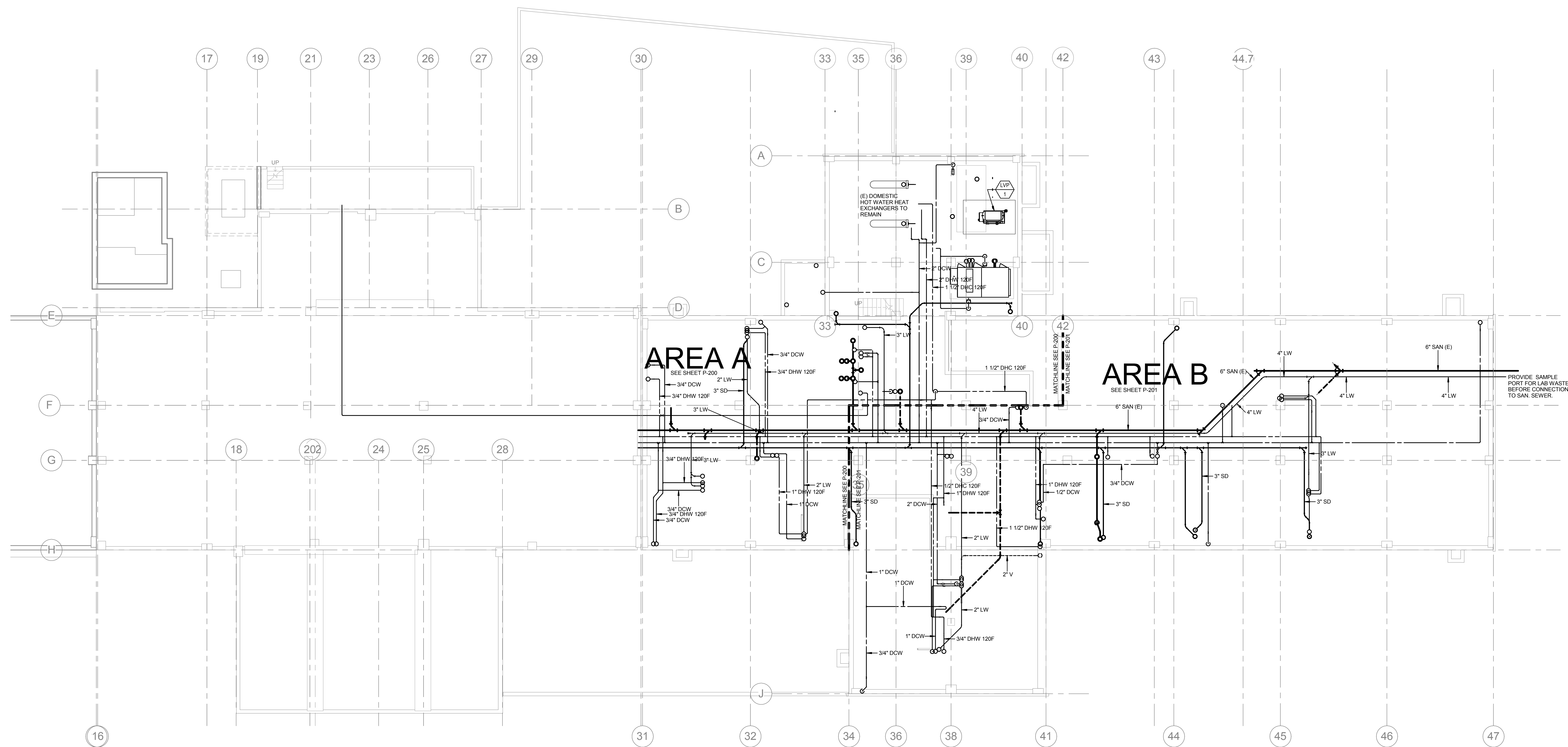
KEY NOTES

1. DEMO (E) PIPE AS INDICATED AND CAP FOR RECONNECTION ABOVE CEILING AND BELOW FLOOR. (E) FLOOR PENETRATIONS TO BE FILLED IN.



FINAL BID DOCUMENTS

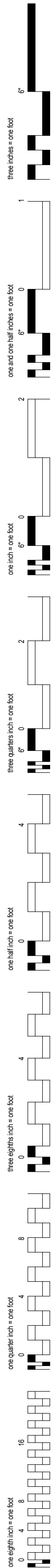
<div>ISSUED AS 60% PROGRESS SET</div> <div>Revisions:</div>		<div>CONSULTANTS:</div> <div><div><div>Syska Hennessy Group, Inc. 425 California Street Suite 700 San Francisco, CA 94104 Tel: 415.288.9060 Fax: 415.835.0365 www.syska.com</div></div></div>		<div><div></div></div>		<div>ARCHITECT/ENGINEERS:</div> <div><div><div>ESTABLISHED 1988 GOING GREEN</div></div><div>HILLIARD ARCHITECTS, INC 251 Post Street, Suite 620 San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com</div></div>	<div>Drawing Title</div> <div>PLUMBING DEMOLITION PLAN - SECOND FLOOR</div>		<div>Project Title</div> <div>VA PA BLDG 6 LAB RENOVATION</div>		<div>Project Number</div> <div>640-13-121P</div>		<div>Building Number</div> <div>6</div>		<div>Drawing Number</div> <div>PD103</div>		<div>Date</div> <div>04.17.2014</div>		<div>Checked</div> <div>PM</div>		<div>Drawn</div> <div>BWA</div>		<div>Dwg. 1 of 10</div>		<div>Office of Construction and Facilities Management</div>		<div>Department of Veterans Affairs</div>	
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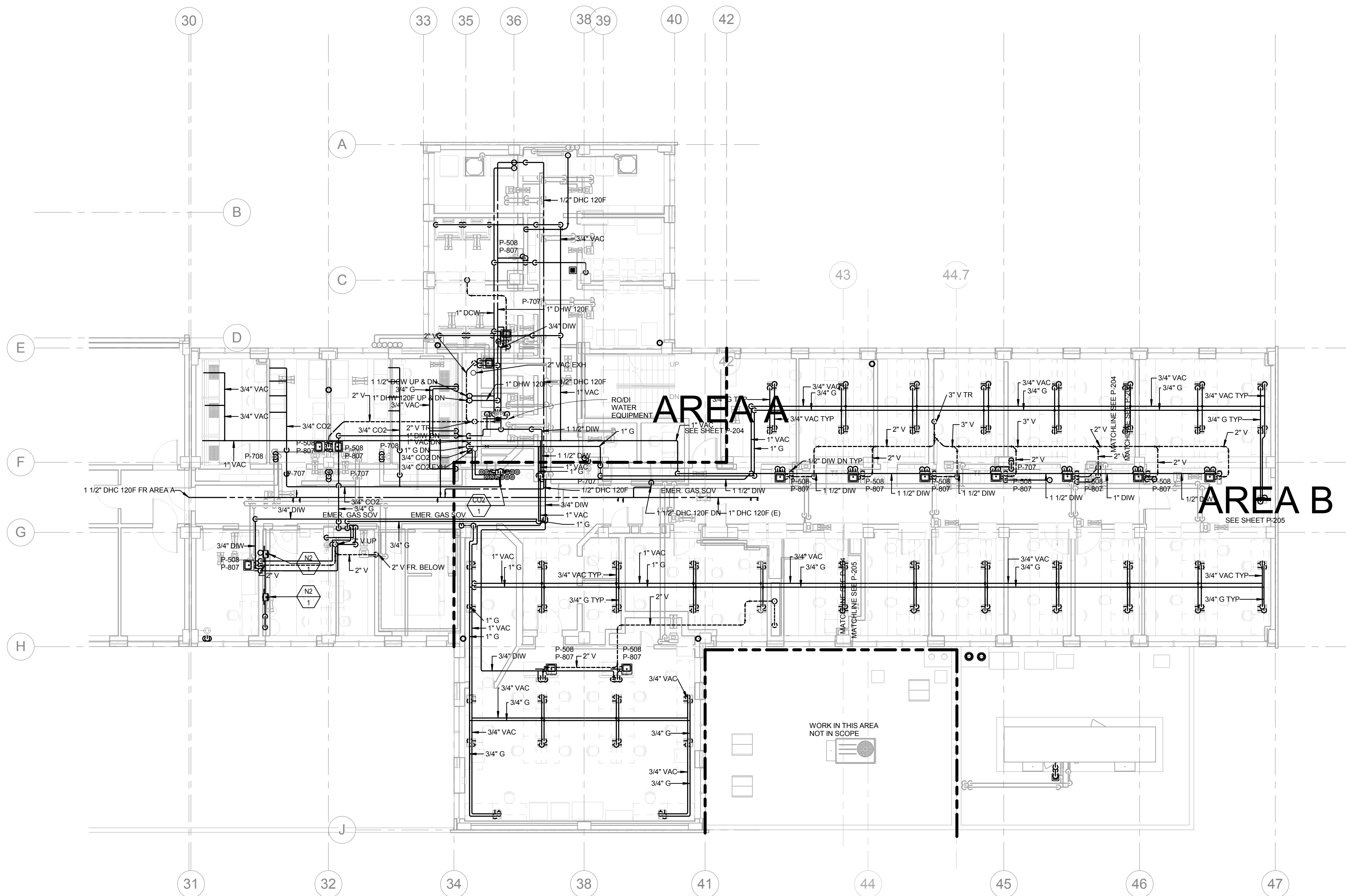
VA FORM 08-6231

FINAL BID DOCUMENTS

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three eighths inch = one foot
one quarter inch = one foot
one half inch = one foot
one inch = one foot
one and one half inches = one foot
two inches = one foot
three inches = one foot

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OVERALL SECOND FLOOR PLUMBING
PLAN
1/8" = 1'-0"

VA FORM 08-6231

Revisions:

Date

CONSULTANTS:

Syska Hennessy Group, Inc.
425 California Street
Suite 700
San Francisco, CA 94104
Tel: 415.288.9060
Fax: 415.635.0385
www.syska.com

A member company of SH Group, Inc.

ARCHITECT/ENGINEERS:

ESTABLISHED 1988
GOING GREEN

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Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

Drawing Title
OVERALL SECOND FLOOR
PLUMBING PLAN

Approved: Project Director

Project Title
VA PA BLDG 6 LAB
RENOVATION

Location
VAPAHCS, PALO ALTO CAMPUS
3801 MIRANDA AVE, PALO ALTO, CA 94304

Date
04.17.2014

Checked
SHG

Drawn
BWA

Project Number
640-13-121P

Building Number
6

Drawing Number
P102

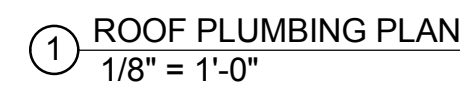
Dwg. of

Office of
Construction
and Facilities
Management

Department of
Veterans Affairs

FINAL BID DOCUMENTS

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VA FORM 08-6231

CONSULTANTS:	
 <p>SYKA HENNESSY GROUP</p> <p>A member company of SH Group, Inc.</p>	<p>Syka Hennessy Group, Inc. 425 California Street Suite 700 San Francisco, CA 94104 Tel.: 415.288.9000 Fax: 415.835.0385 www.syka.com</p>

Drawing Title
PLUMBING ROOF PLAN
Approved: Project Director

Office of
Construction
and Facilities
Management

 Department of
Veterans Affairs

FINAL BID DOCUMENTS

FINAL BID DOCUMENTS

VA FORM 08-6231



ARCHITECT/ENGINEERS:

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 **ARCHITECTS**
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HILLIARD ARCHITECTS, INC
251 Post Street, Suite 620
San Francisco, CA 94108-5017
Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

Drawing Title

**PARTIAL BASEMENT LEVEL
PLUMBING PLAN - AREA B**

Approved: Project Director

Project Title

**VA PA BLDG 6 LAB
RENOVATION**

Location
VAPAHCS, PALO ALTO CAMPUS
3801 MIRANDA AVE, PALO ALTO, CA 94304

Project Number

Building Number

Drawing Number

P201

Dwg. of

Office of
Construction
and Facilities
Management



CONSULTANTS:



SYSKA HENNESSY
GROUP
A member company of SH Group, Inc.

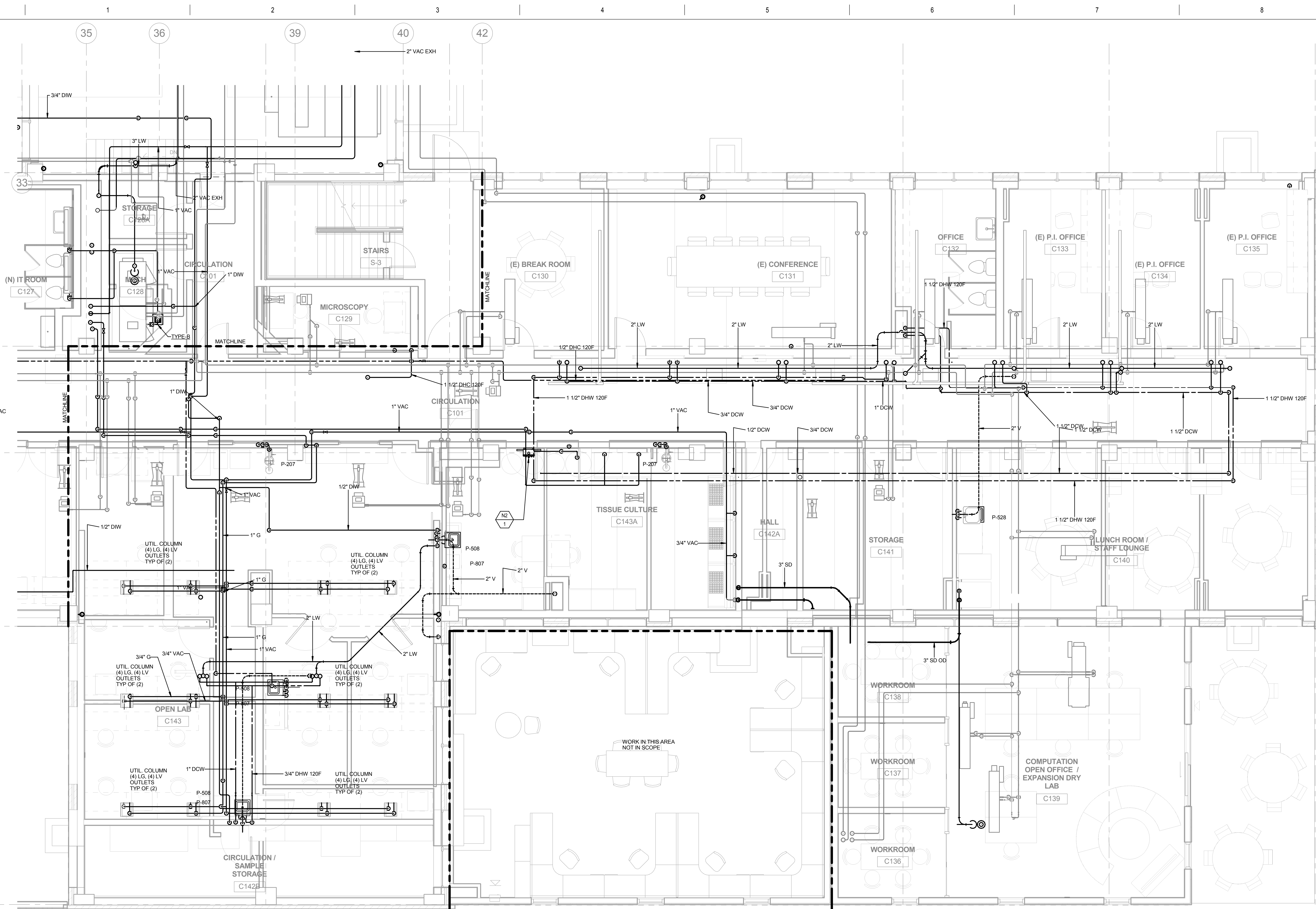
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Fax: 415.835.0385
www.syska.com

WA FORM 08-6231



Office of
Construction
and Facilities
Management

 Department of
Veterans Affairs



① FIRST FLOOR
AREA B
1/4" = 1'-0"

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[illegible]

CONSULTANTS:



SYSKA HENNESSY
GROUP
A member company of SH Group. In

Syska Hennessy Group, Inc.
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ARCHITECT/ENGINEERS:



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Tel 415 989 6400, Fax 415 989 3056
www.HilliardArchitects.com

	Drawing Title
--	---------------

**PARTIAL FIRST FLOOR
PLUMBING PLAN - AREA B**

Approved: Project Director

Project Title

**VA PA BLDG 6 LAB
RENOVATION**

Location		
VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE, PALO ALTO, CA 94304		
Date	Checked	Drawn

Project Number

Building Number

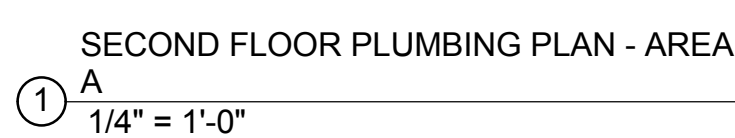
	Drawing Number

P20

Office of
Construction
and Facilities
Management



FINAL BID DOCUMENTS



VA FORM 08-6231

CONSULTANTS:

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	Drawing Title
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PARTIAL SECOND FLOOR PLUMBING PLAN - AREA A

Approved: Project Director

Project Title

**VA PA BLDG 6 LAB
RENOVATION**

Location		
VAPAHCS, PALO ALTO CAMPUS 3801 MIRANDA AVE, PALO ALTO, CA 94304		
Date	Checked	Drawn

Project Number

Building Number

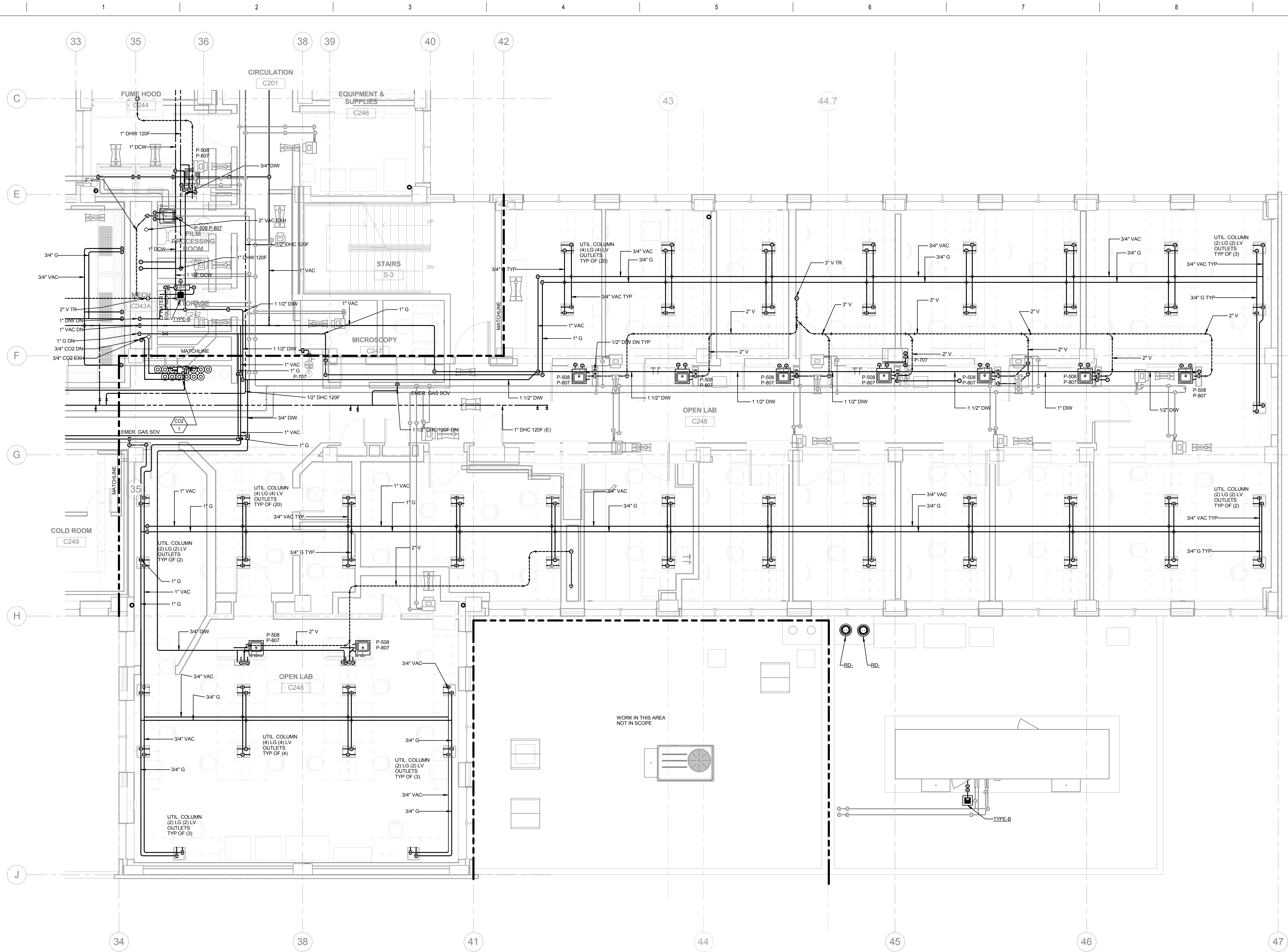
	Drawing Number
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P20

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and Facilities
Management



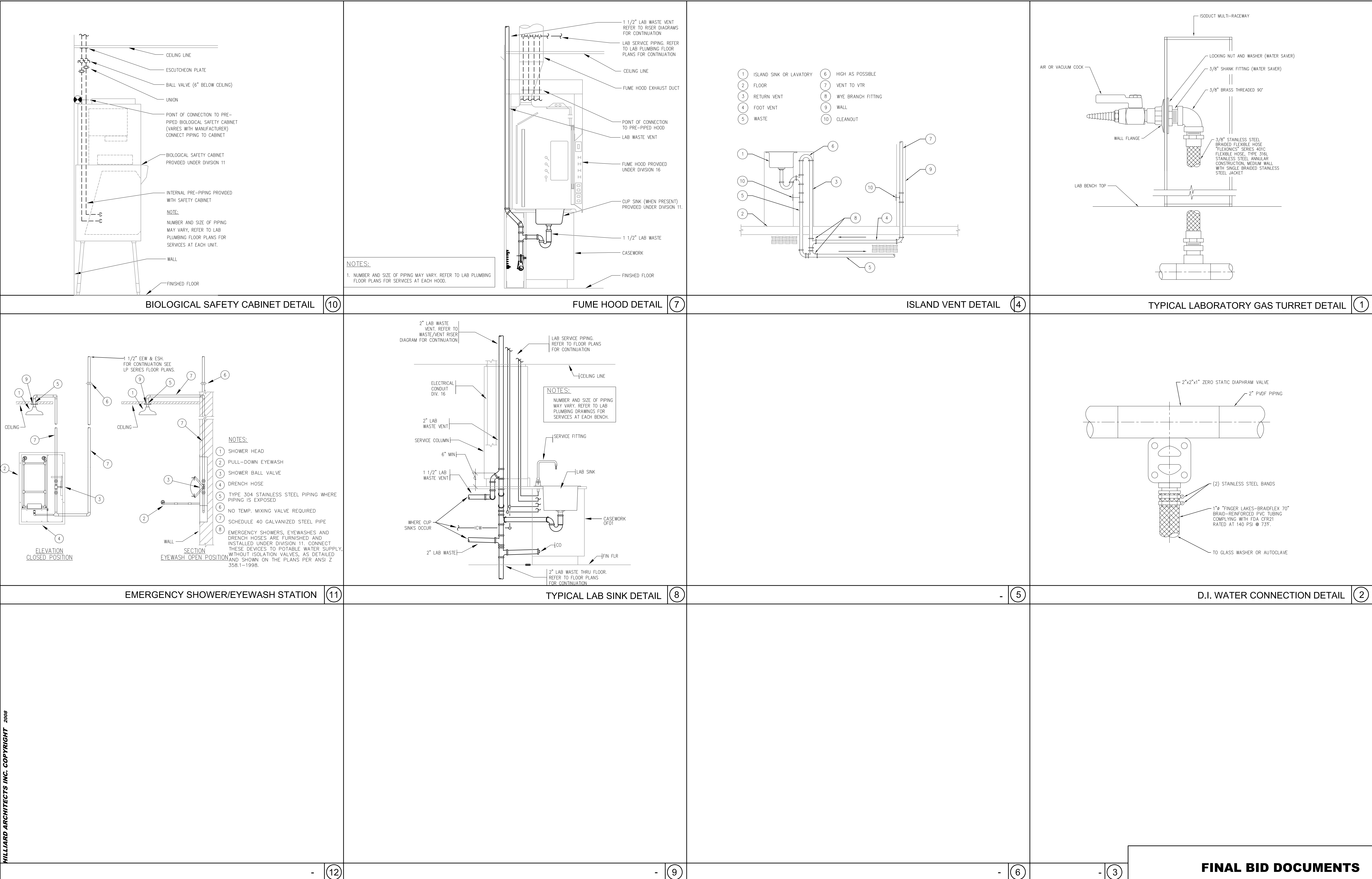


SECOND FLOOR PLUMBING PLAN - AREA B
1/4" = 1'-0"

FINAL BID DOCUMENTS

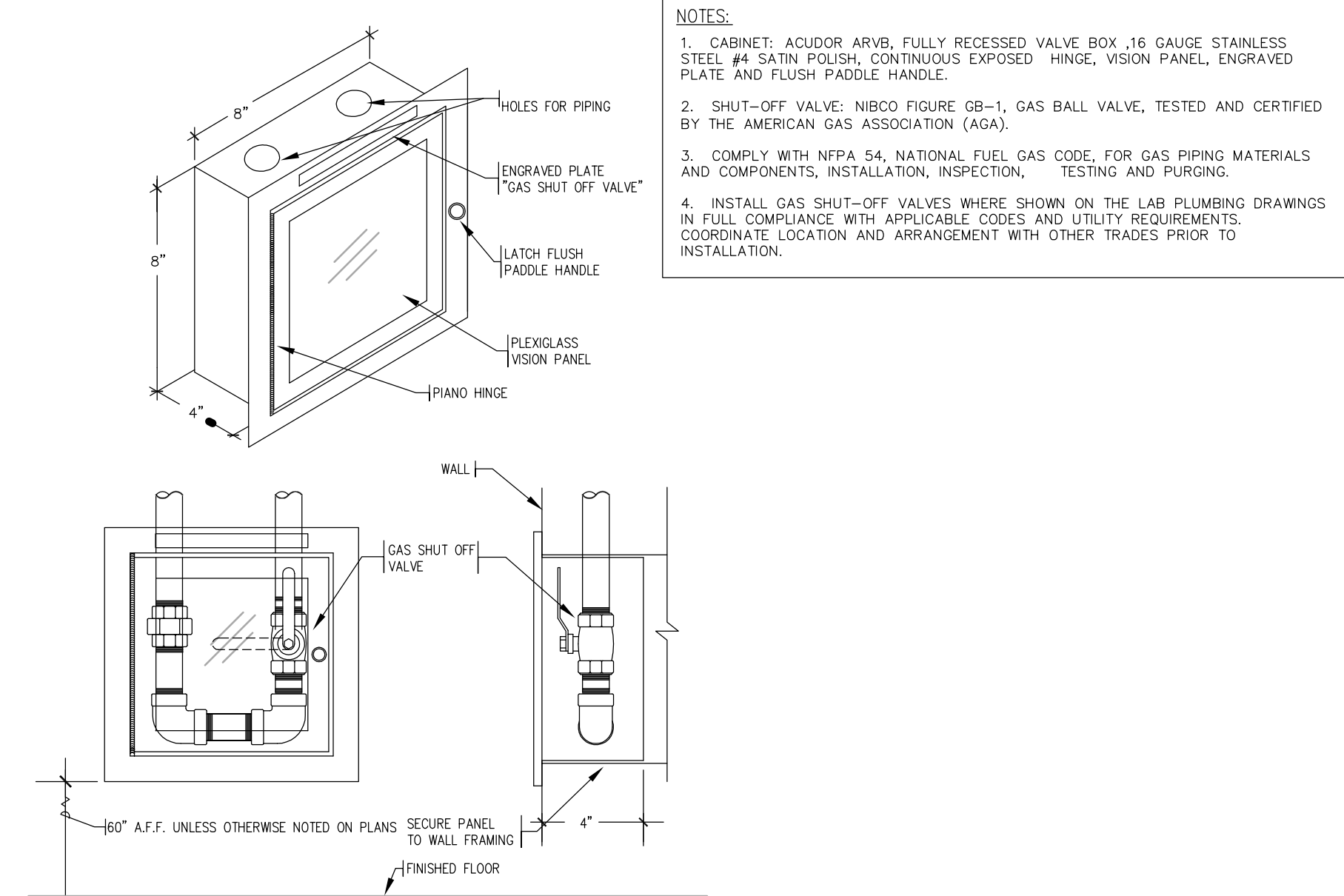
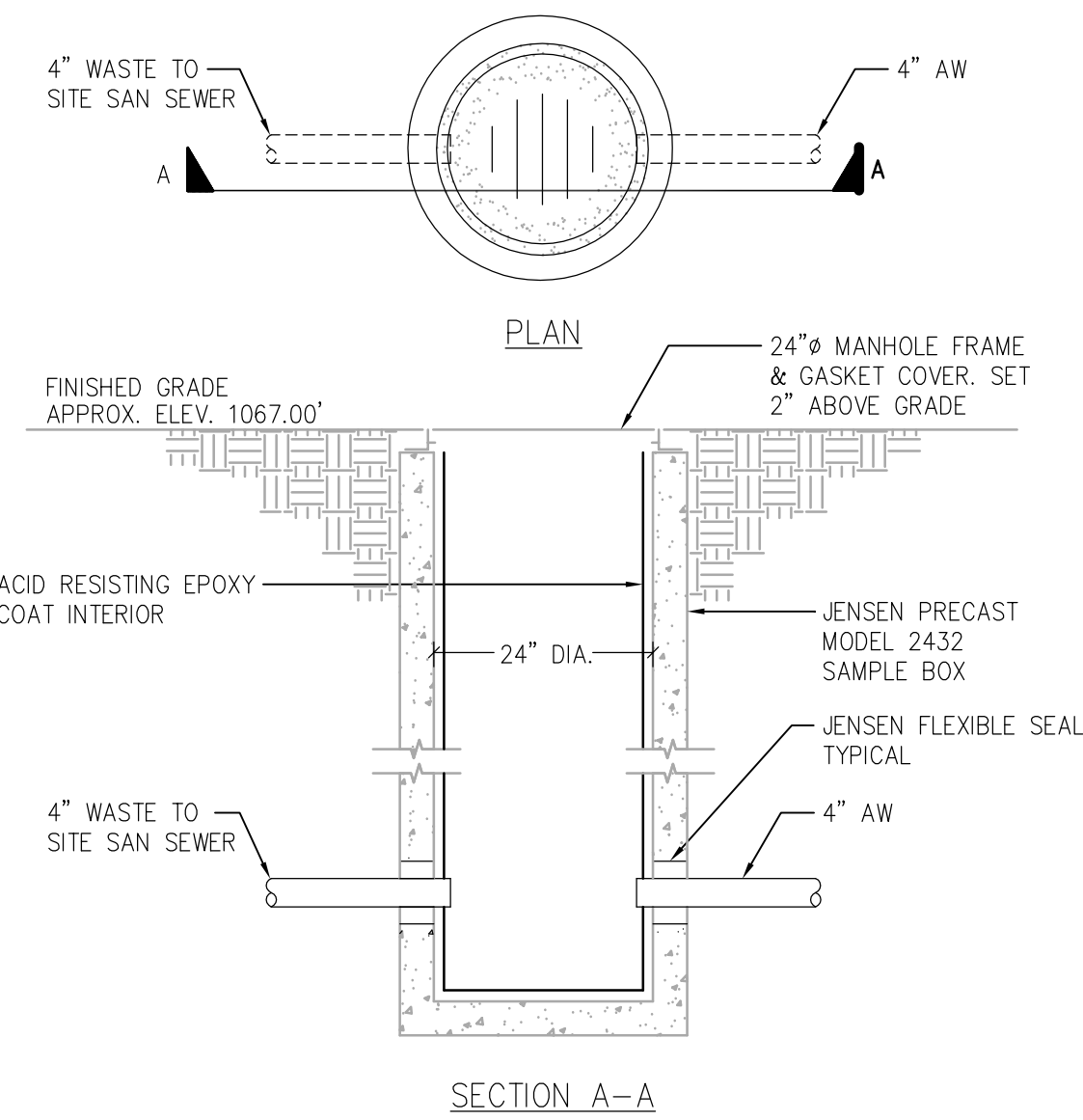
<div>CONSULTANTS:</div> <div><div><div>SYSKA HENNESSY GROUP</div><div>A member company of SH Group, Inc.</div></div><div><div>Syska Hennessy Group, Inc.</div><div>425 California Street</div><div>Suite 700</div><div>San Francisco, CA 94104</div><div>Tel: 415.288.9060</div><div>Fax: 415.635.0385</div><div>www.syska.com</div></div></div>		<div>ARCHITECT/ENGINEERS:</div> <div><div><div>ESTABLISHED 1988</div><div>HILLIARD ARCHITECTS</div><div>ARCHITECTS</div><div>GOING GREEN</div></div><div><div>HILLIARD ARCHITECTS, INC</div><div>251 Post Street, Suite 620</div><div>San Francisco, CA 94108-5017</div><div>Tel 415 989 6400, Fax 415 989 3056</div><div>www.HilliardArchitects.com</div></div></div>		<div>Drawing Title</div> <div>PARTIAL SECOND FLOOR PLUMBING PLAN - AREA B</div> <div>Approved: Project Director</div>	<div>Project Title</div> <div>VA PA BLDG 6 LAB RENOVATION</div> <div>Location</div> <div>VAPAHCS, PALO ALTO CAMPUS</div> <div>3801 MIRANDA AVE, PALO ALTO, CA 94304</div> <div>Date</div> <div>04.17.2014</div> <div>Checked</div> <div>SHG</div> <div>Drawn</div> <div>Author</div>	<div>Project Number</div> <div>640-13-121P</div> <div>Building Number</div> <div></div> <div>Drawing Number</div> <div>P205</div> <div>Dwg. of</div> <div></div>	<div>Office of Construction and Facilities Management</div> <div>Department of Veterans Affairs</div>
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three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
one eighth inch = one foot
one sixteenth inch = one foot

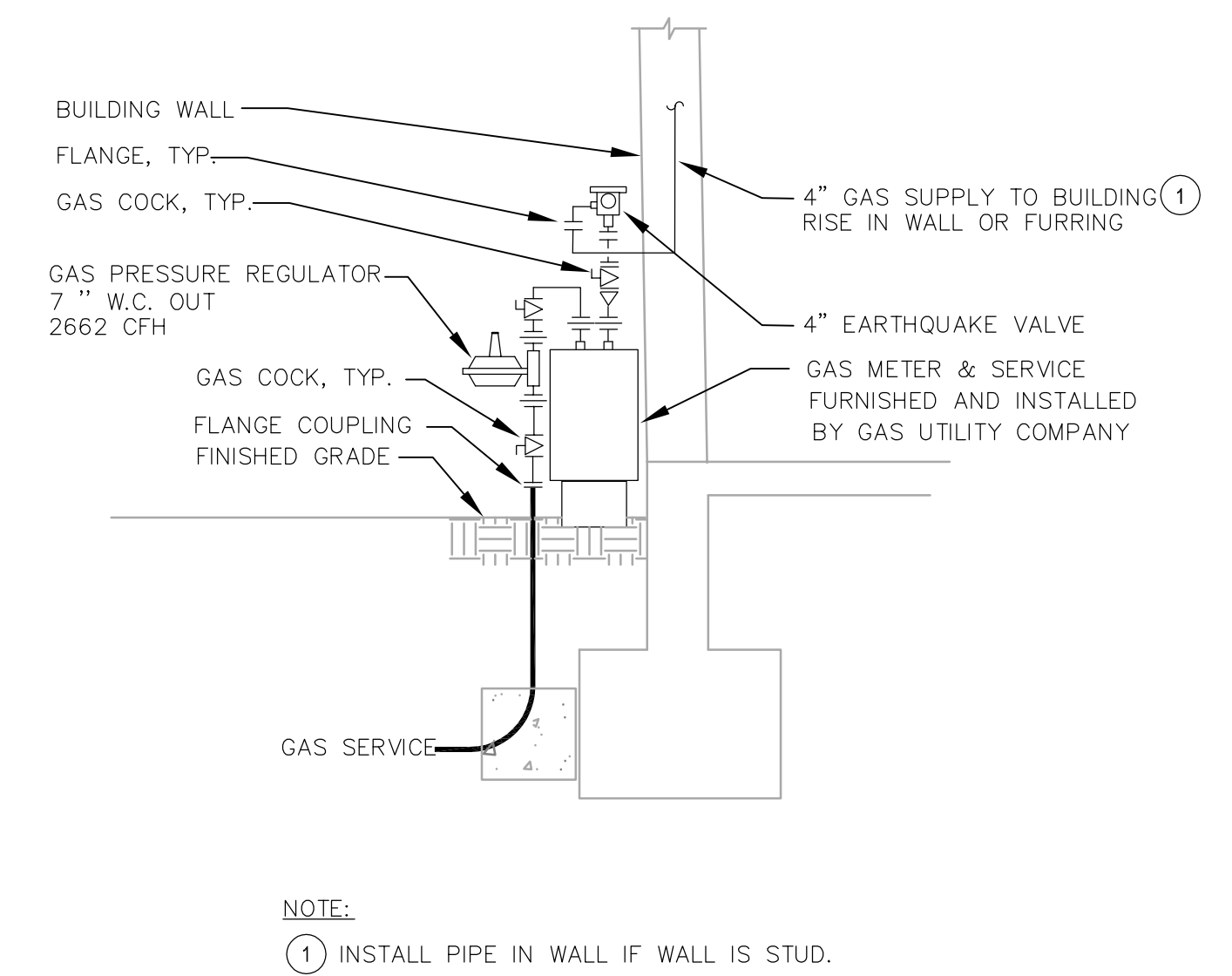
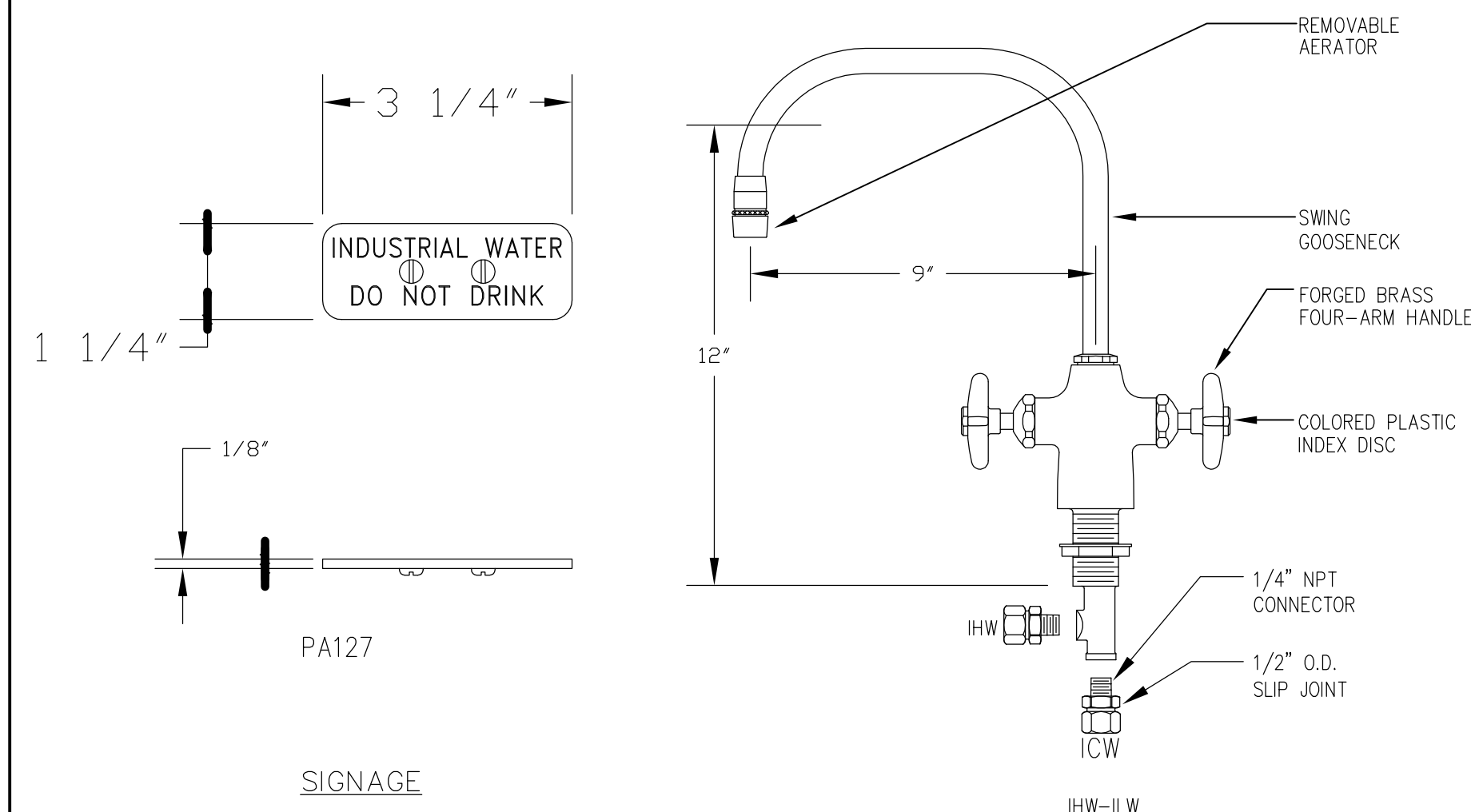


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CONSULTANTS: Syska Hennessy Group, Inc. 425 California Street Suite 700 San Francisco, CA 94104 Tel: 415.288.9060 Fax: 415.835.0365 www.syska.com		 REGISTERED PROFESSIONAL ENGINEER PRASAD V. WANE No. M35846 Exp. Mar. 31, 2014 MECHANICAL STATE OF CALIFORNIA	ARCHITECT/ENGINEERS: HILLIARD ARCHITECTS ESTABLISHED 1988 GOING GREEN HILLIARD ARCHITECTS, INC 251 Post Street, Suite 620 San Francisco, CA 94108-5017 Tel 415 989 6400, Fax 415 989 3056 www.HilliardArchitects.com	Drawing Title PLUMBING DETAILS Approved: Project Director	Project Title VA PA BLDG 6 LAB RENOVATION Location VAPAHCS - PALO ALTO CAMPUS 3801 MIRANDA AVE, PALO ALTO, CA 94304 Date 04.17.2014 Checked PM Drawn BWA	Project Number 640-13-121P Building Number 6 Drawing Number P501 Dwg. 1 of 10	Office of Construction and Facilities Management
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NATURAL GAS EMERGENCY SHUTOFF VALVE DETAIL (1)




NATURAL GAS METER DETAIL (2)

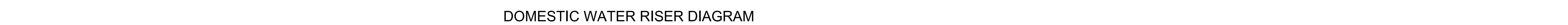
NOTES:

1. ALL COMPONENTS IN CONTACT WITH PURE WATER ARE POLYPROPYLENE


FINAL BID DOCUMENTS

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